

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	222717	diamond or graphite.clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:18
L2	1692	"active metal".clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:18
L3	0	"carbon source of" with (CO or CO2).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:19
L4	9663990	(CO or "carbon monoxide") or (CO2 or "carbon dioxide").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:20
L5	21	"elementary carbon".clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:20
L6	1415	"reduction reaction".clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:21
L7	0	1 and 2 and 3 and 4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:21

## EAST Search History

L8	1	5 and 6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:22
L9	8	1 and 5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 14:22
S1	2	qianwang near2 chen.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 10:55
S2	1	yitari near2 qian.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 10:55
S3	2	zhengsong near2 lou.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 10:55
S4	4	("4404177").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/03 11:04
S6	15	"1246116"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:00
S7	1	1989-329378.NRAN.	DERWENT	OR	ON	2007/04/03 10:57
S8	1	1989-329378.NRAN.	DERWENT	OR	ON	2007/04/03 10:59

## EAST Search History

S9	9	"1148790"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:01
S10	11	"3612340"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:01
S11	1	1987-292800.NRAN.	DERWENT	OR	ON	2007/04/03 11:02
S12	18525	(diamond or graphite) and ("CO2" or "CO.sub"?2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 12:57
S14	7392	S12 and (oxalate or carbonate or "dry ice")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:10
S15	6832	S14 and (sodium or lithium or potassium or rubidium or cesium or magnesium or calcium or strontium or barium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:23
S16	984	S15 and (temperature with reduction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:14
S17	291	S16 and (pressure with reduction)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:18

## EAST Search History

S18	21503	("117").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/03 11:16
S19	1	S17 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:44
S20	291	S17 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:18
S22	1	S18 and S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:19
S23	11	S18 and S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:19
S25	125	S18 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:41
S26	114	S25 not S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 11:48

## EAST Search History

S27	6	("2,734,799").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/03 11:48
S28	1366	(diamond or graphite) and ("CO2" or "CO.sub"?2) and (element\$3 near3 carbon)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 15:49
S29	134	S28 and "reduction reaction"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:18
S30	1274	S28 and metal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:17
S31	132	S30 and "reduction reaction"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:18
S32	22457	(producing or production or making or formation or forming) near3 (diamond or graphite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:33
S34	1578	S32 and ("CO2" or "CO.sub"?2 or "carbon dioxide")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:44

## EAST Search History

S35	715	S34 and (carbon near3 (atom or element\$2))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:23
S36	455	S35 and (sodium or lithium or potassium or rubidium or cesium or magnesium or calcium or strontium or barium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 15:47
S37	13	S36 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:32
S38	4	("4404177").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/03 13:32
S39	4	("3274097").PN. OR ("4404177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 13:32
S40	28236	(producing or production or making or formation or forming or manufactur\$3) near3 (diamond or graphite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 15:50
S41	3523740	((alkali or "alkaline earth") near2 metal) or (group near2 I or II)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:49

## EAST Search History

S45	551784	((alkali or "alkaline earth") near2 metal) or ("group I" or "group II")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:50
S46	1328	S40 and S45	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:51
S47	303	S46 and ("CO2" or "CO.sub"?2 or "carbon dioxide")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 16:00
S48	5	S47 and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 13:51
S49	23	(US-20060011127-\$ or US-20050092231-\$ or US-20060201412-\$).did. or (US-4404177-\$ or US-4030965-\$ or US-3630679-\$ or US-3630678-\$ or US-6126741-\$ or US-5863324-\$ or US-5814149-\$ or US-5776552-\$ or US-5772760-\$ or US-5756061-\$ or US-5755879-\$ or US-5531184-\$ or US-5482695-\$ or US-5427054-\$ or US-5314570-\$ or US-5275798-\$). did. or (US-2734799-\$).did. or (JP-01290594-\$).did. or (JP-01246116-\$ or DE-3612340-\$). did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/04/03 15:46
S50	22	S49 and ((sodium or Na) or (lithium or Li) or (potassium or K) or (rubidium or Rb) or (cesium or Cs) or (magnesium or Mg) or (calcium or Ca) or (strontium or Sr) or (barium or Ba))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:00

## EAST Search History

S52	17	S50 and (producing or production or making or formation or forming or manufactur\$3) near3 (diamond or graphite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 15:50
S53	7	S49 and (((sodium or Na) or (lithium or Li) or (potassium or K) or (rubidium or Rb) or (cesium or Cs) or (magnesium or Mg) or (calcium or Ca) or (strontium or Sr) or (barium or Ba)) with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 16:10
S54	4	("3274097").PN. OR ("4404177").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 15:55
S57	3	("CO2" or "CO.sub"?2) with Na with C with "Na.sub"?2 with "CO.sub"?3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 16:07
S58	2	("CO2" or "CO.sub"?2) with Li with C with "Li.sub"?2 with "CO.sub"?3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 16:08
S59	28236	(producing or production or making or formation or forming or manufactur\$3) near3 (diamond or graphite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 16:10
S60	4666	S59 and (((sodium or Na) or (lithium or Li) or (potassium or K) or (rubidium or Rb) or (cesium or Cs) or (magnesium or Mg) or (calcium or Ca) or (strontium or Sr) or (barium or Ba)) with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 16:11



## EAST Search History

S61	2970	S59 and (((sodium or Na) or (lithium or Li) or (potassium or K) or (rubidium or Rb) or (cesium) or (magnesium or Mg) or (calcium or Ca) or (strontium or Sr) or (barium or Ba)) with metal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 16:12
S62	21503	("117").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/03 16:12
S63	67	S61 and S62	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/03 16:12
S64	23	(US-20060011127-\$ or US-20050092231-\$ or US-20060201412-\$).did. or (US-4404177-\$ or US-4030965-\$ or US-3630679-\$ or US-3630678-\$ or US-6126741-\$ or US-5863324-\$ or US-5814149-\$ or US-5776552-\$ or US-5772760-\$ or US-5756061-\$ or US-5755879-\$ or US-5531184-\$ or US-5482695-\$ or US-5427054-\$ or US-5314570-\$ or US-5275798-\$). did. or (US-2734799-\$).did. or (JP-01290594-\$).did. or (JP-01246116-\$ or DE-3612340-\$). did.	US-PGPUB; USPAT; USOCR; JPO; DERWENT	OR	ON	2007/04/04 09:00
S65	22	S64 and ((sodium or Na) or (lithium or Li) or (potassium or K) or (rubidium or Rb) or (cesium or Cs) or (magnesium or Mg) or (calcium or Ca) or (strontium or Sr) or (barium or Ba))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 08:59
S66	22	S64 and ((sodium or Na) or (lithium or Li) or (potassium or K) or (rubidium or Rb) or (cesium or Cs) or (magnesium or Mg) or (calcium or Ca) or (strontium or Sr) or (barium or Ba))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:11

## EAST Search History

S67	54047	(metal near2 catalyst) same ((sodium or Na) or (lithium or Li) or (potassium or K) or (rubidium or Rb) or (cesium or Cs) or (magnesium or Mg) or (calcium or Ca) or (strontium or Sr) or (barium or Ba))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:14
S68	28236	(producing or production or making or formation or forming or manufactur\$3) near3 (diamond or graphite)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:13
S69	378	S67 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:15
S70	26196	(metal near2 catalyst) with ((sodium or Na) or (lithium or Li) or (potassium or K) or (rubidium or Rb) or (cesium or Cs) or (magnesium or Mg) or (calcium or Ca) or (strontium or Sr) or (barium or Ba))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:14
S71	161	S70 and S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:20
S72	21503	("117").CLAS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/04 09:20
S73	16	S71 and S72	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:42

## EAST Search History

S74	4	("2,947,609").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/04 09:31
S75	4	("2,947,617").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/04 09:31
S76	38	("2947617").URPN.	USPAT	OR	ON	2007/04/04 09:39
S77	31	S76 and diamond	USPAT	OR	ON	2007/04/04 09:39
S78	22	S69 and S72	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:42
S79	6	S78 not S73	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/04/04 09:54
S80	6	("1030965").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/04 09:55
S81	2	("4030965").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/04/04 09:55